



DataChart® OctTemp

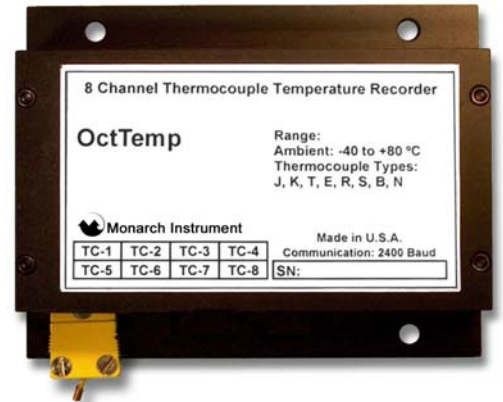
8 Channel Thermocouple Based Temperature Recorder

Features

- 8 Thermocouple Channels and 1 Ambient
- Automatic Thermocouple Linearization
- Automatic Cold Junction Compensation
- Thermocouple Types J, K, T, E, R, B, S, N
- Memory: 14,563 readings per channel
- Programmable Start Time
- Reusable
- Small Size
- User Calibration through Software
- No Programming Experience Necessary
- Real Time Operation
- Low Cost
- Quick Setup
- Record Keeping Simplified

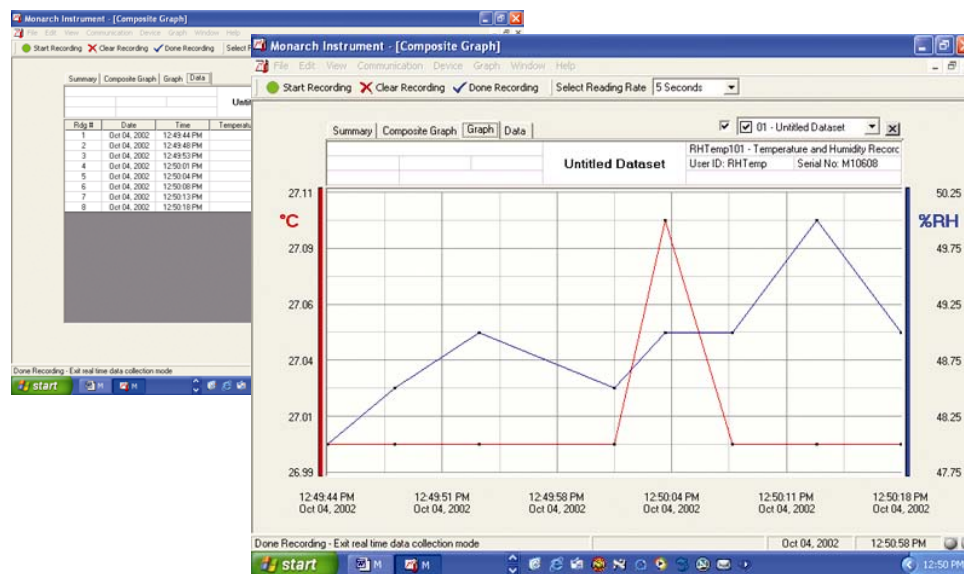
Applications

- Record Temperature of Perishable Goods.
- Implementing HACCP Programs
- Medical/Pharmaceutical Monitoring
- Extreme Temperature Monitoring
- Oven Profiling
- Environmental Studies
- Replace Costly Strip Chart Recorders
- HVAC



Description

The OctTemp is an 8 channel, battery powered, stand-alone, thermocouple based temperature recorder. This all-in-one compact, portable, easy to use device will measure and record up to 14,563 temperature measurements per channel. The OctTemp is a major leap forward in both size and performance. Its real time clock ensures that all data is time and date stamped. The storage medium is nonvolatile solid state memory, providing maximum data security even if the battery becomes discharged. Its small size allows it to fit almost anywhere. Data retrieval is simple. Plug it into an empty com port and our easy to use software does the rest.



Specifications

Internal Channels: 1

Temperature Range: -40°C to +80°C

Temperature Accuracy: 0.5°C

Temperature Resolution: 0.1°C

Remote Channels: 8

Thermocouple connection: min-plug

Cold Junction Compensation: Automatic

T/C	Range	Resolution	Accuracy*
J	-200°C to +1190°C	0.1°C	0.5°C
K	-260°C to +1370°C	0.1°C	0.5°C
T	-260°C to +390°C	0.1°C	0.5°C
E	-260°C to +990°C	0.1°C	0.5°C
R	-40°C to +1760°C	0.1°C	0.5°C
S	-40°C to +1760°C	0.1°C	0.5°C
B	+50°C to +1810°C	0.1°C	0.5°C
N	-260°C to +1290°C	0.1°C	0.5°C

* accuracy does not include errors due to thermocouple

Temperature Calibration: Digital calibration through software.

N.I.S.T. Traceable: N.I.S.T. certificates available

Calibration Date: Automatically recorded within device to alert user when calibration is required.

Recording Interval: 12/minute to 1/day selectable.

Start Time: Start time and date are programmable through software.

Real Time Recording: Device may be used with PC to monitor and record data in real time.

Memory: 14,563 temperature readings per channel.

User-Replaceable Battery: 9 Volt, 1 year typical.

Time Accuracy: ±1 min/month at 20°C

Data Format: Date and Time stamped, °C, °F, °K, °R.

Shock resistance: Drop proof to 5'.

Weight: 1oz. (25.5g)

Computer Interface: RS232 Serial Port.

Software: Windows 95/98/NT/2000/XP based software for complete control and operation.

Operating Environment: -40°C to +80°C, 5% to 95% RH (non-condensing)

Dimensions: 3.5" x 4.4" x 1.5" (89mm x 111mm x 37mm)

Material: Black Hard Anodized Aluminum

Software Features

The software used to operate the OctTemp requires no programming skills, enables users to effortlessly select reading rate, user ID and initiate the start of data collection within moments after user connects hardware. After retrieving the data, it may be viewed instantly in graphical or tabular form.

Zoom In/Out: Use mouse to click and drag to select area for zooming in or out.

Statistics: min, max, mean, mean kinetic temperature, standard deviation

Cursor: Use mouse to click on graph to obtain specific data point information.

Programmable Start Time: Program start time and date through software.

Real Time Operation: Convert PC into strip chart recorder for real time data collection.

Annotating Data: All data points may be easily annotated.

Printing: Automatic printing of data in graphical or tabular form

Units: °C, °F, °K, °R.

User ID: Programmable through software and stored within device.

AutoScale: Autoscale function may be enabled or disabled by user.

Calibration: Automatic calibration in software and calibration parameters stored within device

Exporting Data: All data can be directly exported to Microsoft Excel® or to text format.

Graph Grid Size: The grid size is user selectable.

ORDERING INFORMATION

Item No.	Model	Description
5399-0114	OctTemp	8 Channel Thermocouple Based Temp. Data Logger
5399-9901	IFC101	9 Pin Computer Interface Cable Software & Manual
5399-9999	N.I.S.T. Cert.	N.I.S.T. Calibration Certificate

Ask About Our Other Data Loggers

Temperature	4.0 to 20.0 mA
Humidity	Pulse/Counter
Pressure	Submersible
pH	Level
Shock/Vibration	Multi-Parameter
Voltage	Intrinsically Safe
RF Transmitters	

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